Security Systems

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DiBos 8.7 Release Notes

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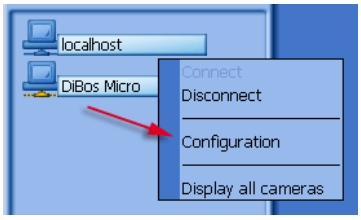
1 New software features in DiBos 8.7

1.1 BVIP Firmware 4.0 support

DiBos 8.7 is compatible to BVIP firmware 4.0 (H.263 or MPEG 4). However, H.264 decoding is not supported. The IP stream coming from the BVIP device has to be H.263 respectively MPEG4.

1.2 Remote configuration

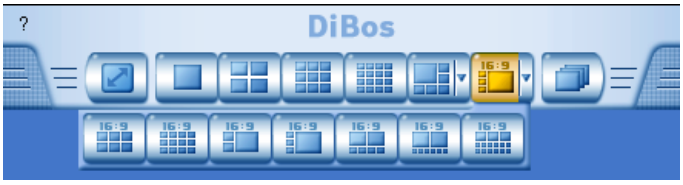
With DiBos 8.7 you can now configure DiBos recorders remotely from the remote receiver SW or another DiBos recorder.



Not every setting in the DiBos configuration allows remote configuration. Please look at the known restrictions (chapter 3) or at the installation manual to find out more details.

1.3 Widescreen (e.g. 16:9) display support

DiBos 8.7 provides an optimized widescreen display support. There are seven new views that have a special widescreen layout. The user can easily select the new views in the DiBos explorer with a new pull down button next to the sequence button:



Together with popular widescreen displays, such as the Bosch 42RTH 42-inch High-performance LCD Monitor (see picture below), DiBos offers a new experience in DVR-based video surveillance.

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1.4 Bosch / Arecont Vision Megapixel IP Camera TFTP support

For Bosch Megapixel cameras (NWC 0700/0800/0900) and compatible Arecont Vision JPG Megapixel cameras DiBos 8.7 now provides integration via the TFTP protocol.

To configure a Megapixel camera the TFTP string has to be entered in the Address text field in the settings of a JPG IP camera.

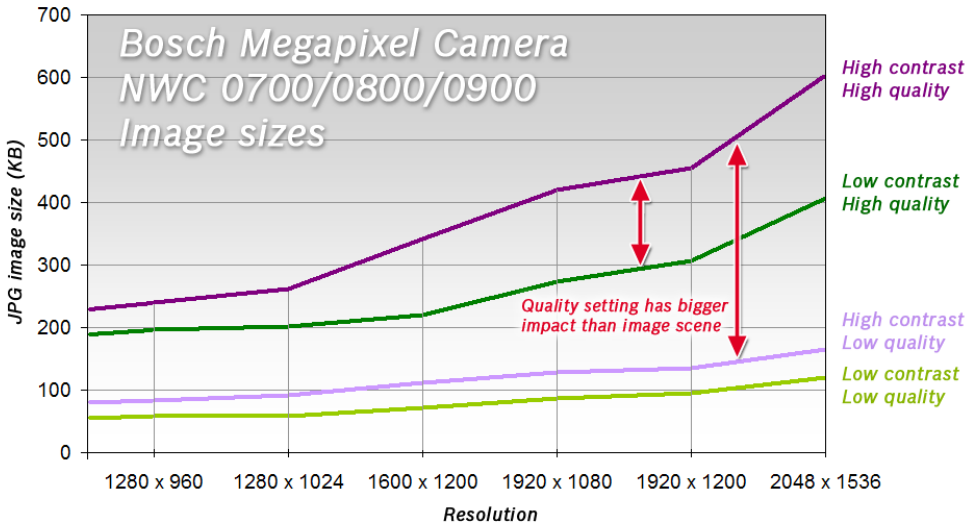
Example:
tftp://IP-Adresse/image?res=full&x0=0&y0=0&x1=1600&y1=1200&quality=15

1.4.1 Performance:

The TFTP protocol delivers a higher and more stable frame rate performance than HTTP. The following table shows what frame rate is possible at which resolution:

Resolution	max. IPS	JPG size (KB)	Bandwidth at max. IPS rate (Mbit/s)
1280 x 960	24	60-230	11-43
1600 x 1200	21	80-330	13-55
1920 x 1200	19	100-460	15-70
2048 x 1536	15	120-600	15-70

Please note that the image size respectively the bandwidth is heavily depending on the current scene and the quality setting of the camera, see figure below.



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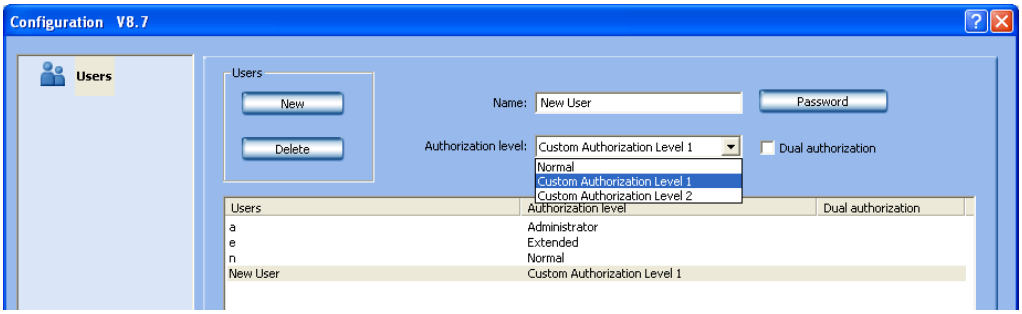
1.5 An extended user can add users of custom authorization levels

In older DiBos versions the extended user could only add users of the authorization level “Normal Users”. Now he can also add users of custom authorization levels. There is one prerequisite: The custom authorization level may not have any configuration permission enabled.



1.6 Further new software features

- Smooth digital zooming: Each Video image provides now 7 instead of 3 digital zoom steps which results in a much better usability when zooming in. This is consistent with the look and feel of the Bosch Video Management System.
- Digital zooming of PTZ cameras. It is now possible to digitally zoom images of PTZ cameras with the mouse wheel. This way a user without permission to the mechanical zoom of the camera can still digitally zoom the image. This is consistent with the look and feel of the Bosch Video Management System.
- The user can configure up to 256 prepositions for each PTZ camera. To use a high number only takes effect if the corresponding PTZ camera is supporting it.
- DiBos 8.7 can deactivate views above 4 or 9 video images. Due to performance reasons the buttons to call up views with more images can be disabled so that the operator cannot accidently select them.
- Fullscreen display can be blocked. There are touch screen installations where it happened that the operator cannot exit the Fullscreen mode because there was neither a regular PC keyboard nor a PC mouse connected to the receiver. As a workaround the button to enter the Fullscreen mode can be disabled with DiBos version 8.7.

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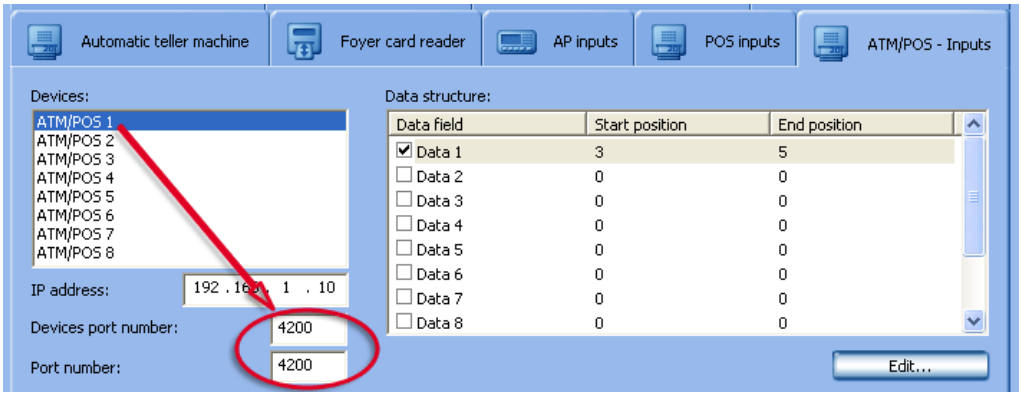
2 Fixed defects / resolved customer complaints

2.1 Cameos reestablished when network connection is back

When a remote station is suddenly disconnected from the network the corresponding video images were automatically closed and did not reestablish once the connection is back. With DiBos 8.7 it will automatically reestablish the video images.

2.2 ATM/POS Bridge configuration

In older DiBos versions the ATM/POS Bridge port numbers were global settings. Now the ATM/POS Bridge can be configured to use different ports for different devices.



2.3 IP Recorder mentioned in Setup screen

In DiBos version 8.6 the setup screen of the Setup DVD did not show explicitly the entry “IP Recorder”. This is fixed with DiBos 8.7. The setup screen now shows the option:

- IP Recorder / Receiver SW

2.4 Smart Motion Search for 1/2 and 2/3 D1 resolution

In older DiBos versions the Smart Motion Search did not work for 1/2 and 2/3 D1 resolutions (PAL and NTSC). This defect is fixed with DiBos 8.7.

2.5 Bosch VMS or OPC integration: Memory leak in DB server

Under certain circumstances requests from management systems have increased the private bytes in the memory of the DiBos. After a certain time the free memory falls under a critical level so that there is no response anymore from the DiBos recorder. This was observed at connections to Bosch VMS as well as to BIS via OPC.

This defect is fixed with DiBos 8.7.

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3 Known restrictions

3.1 .NET Framework 3.5 SP1

DiBos 8.7 requires .NET Framework 3.5 SP1.

If it is not installed the user needs to install it manually before installing any of the DiBos 8.7 software (receiver or recorder or IP recorder).

The setup of .NET Framework 3.5 SP1 is included on the DiBos Setup DVD

Important notes:

- It is highly recommended to **recover** the recorder with the DiBos 8.7 Recovery DVD. This is faster and you do not need to install the .NET Framework before. It is already part of the 8.7 Recovery image.
- If you choose to install the .NET framework from DVD please disconnect the computer from the internet. Otherwise the setup files will be downloaded which will extend the installation time up to 2 hours.
- On DiBos XP embedded (like on every DiBos recorder) the setup installation lasts 45 minutes or longer.
- If there is any warning about free hard disk space, please ignore this warning.

3.2 Remote configuration limits

Unlike the standard (local) configuration the remote configuration has the following restrictions:

- It is not possible to configure analog camera and audio inputs.
- It is not possible to configure the settings in the menus “Drives”, “Security and network”, “Administration and dongle”
- In the menu “Export video scheduler” it is not possible to create new network drives, however, a target directory can be selected
- In the menu “Options” it is not possible to configure the “Alarm procedure”
- On each of the configuration pages for BVIP devices the live video image will not be displayed
- Remote configuration is not supported by the DiBos web access

WARNING

Please make sure that you don’t configure the same DiBos recorder from 2 different locations (locally and remotely or from 2 remote clients). This can result in inconsistent configuration data.

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4 Other comments

4.1 Limits of the system size

During the system test of DiBos 8.7 the scalability of the system was checked again using a DiBos to DiBos connection.

The following limits are identified as “non critical”:

- 200 Remote Stations in the device list (configured)
- 30 simultaneous connections from 1 receiver station to 30 DiBos recorders
- 20 simultaneous connections at 1 DiBos recorder from 20 different receiver stations pulling live or playback images

4.2 Recovery image content and updates

The DiBos 8.7 recovery image includes the following components:

- BVIP Configuration Manager Version 2.11
- MPEG Active X 4.40
- MPEG Active X 3.03
- .NET Framework 3.5 Service Pack 1
- All latest security updates for Windows XP embedded
- Java Runtime Environment 6.15 (Automatic updates is turned off, so that DiBos is not trying to connect to the Internet)

4.3 NO/NC relay outputs

With the release of DiBos 8.7 the factory default settings for the DiBos 19” inch recorder and the DiBos Micro recorder have changed (jumper setting on IO card).

The relay output settings are now:

Number 1-8: normally open (NO)

Number 9-16: normally close (NC)

The reason for this change is that there is a frequent demand of NC relay outputs, e.g. when connecting DiBos to an intrusion panel. If less than 8 outputs are needed the system integrator does not have to reconfigure the jumper settings anymore. He can use relay number 9-16.

4.4 Bosch Video Management System integration

The integration interface for Bosch VMS has not been changed to version 8.6

4.5 The restrictions for Windows Vista still apply to DiBos 8.7

The current restrictions for Windows Vista still apply to DiBos 8.7. They are described in the release notes of DiBos Software Version 8.5 and 8.6.

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